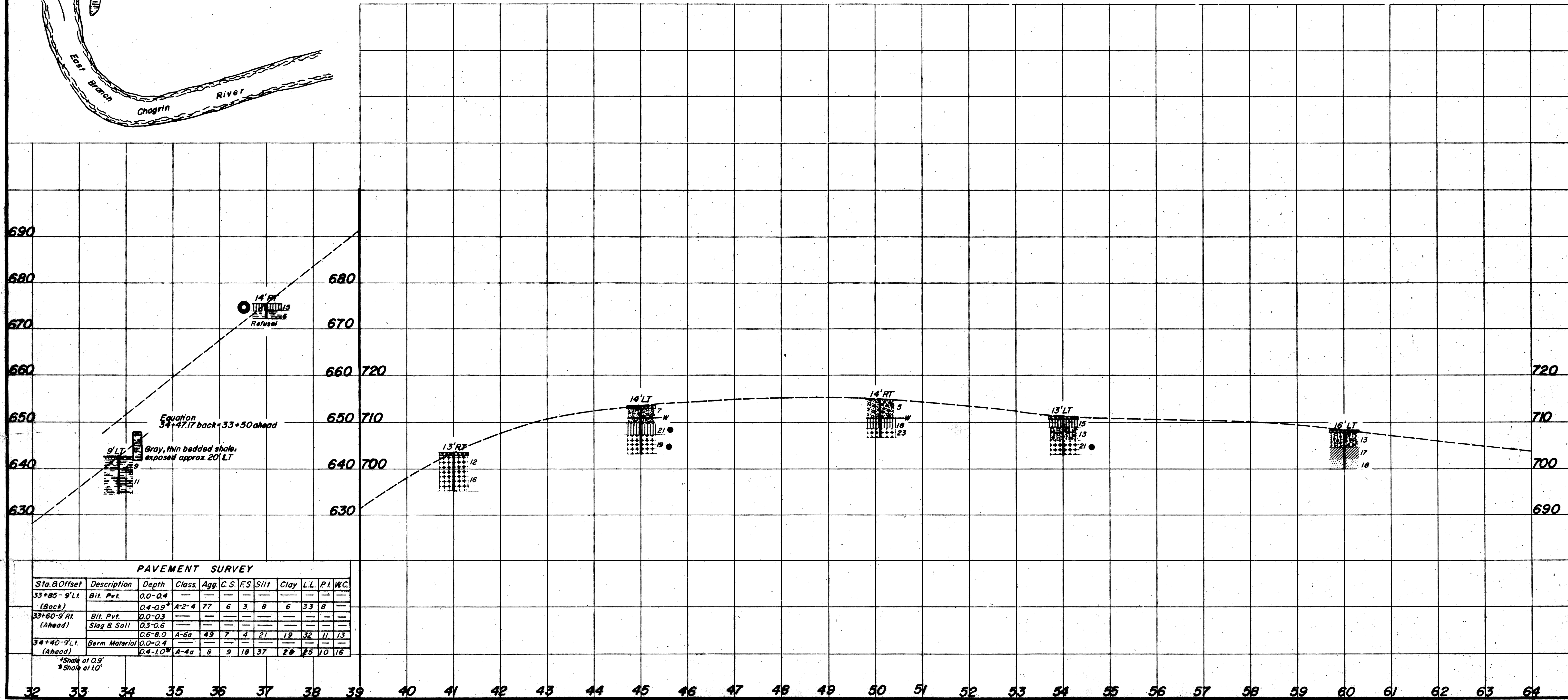
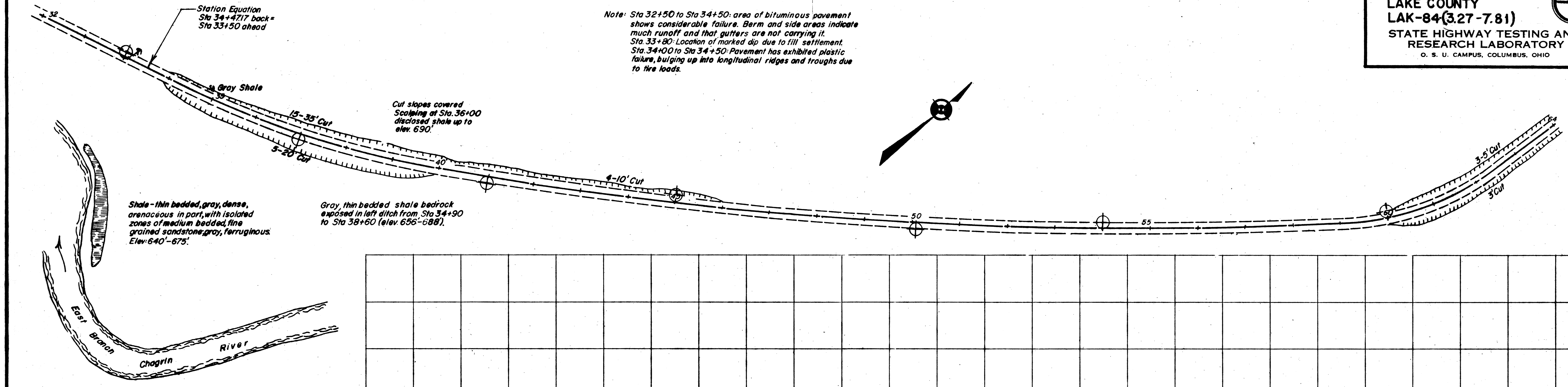


Note: Sta 32+50 to Sta 34+50: area of bituminous pavement shows considerable failure. Berm and side areas indicate much runoff and that gutters are not carrying it.  
 Sta 33+80: Location of marked dip due to fill settlement.  
 Sta 34+00 to Sta 34+50: Pavement has exhibited plastic failure, bulging up into longitudinal ridges and troughs due to tire loads.



Shale - thin bedded, gray, dense, arenaceous in part, with isolated zones of medium bedded, fine grained sandstone, gray, ferruginous. Elev. 640'-675'.

Gray, thin bedded shale bedrock exposed in left ditch from Sta 34+90 to Sta 38+60 (elev. 656'-688').

Cut slopes covered  
 Scarping at Sta. 36+00  
 disclosed shale up to  
 elev. 690'.

Equation  
 34+47.17 back = 33+50 ahead

9'LT  
 Gray, thin bedded shale, exposed approx. 20'LT

PAVEMENT SURVEY

Sta. & Offset	Description	Depth	Class	Agg.	C.S.	F.S.	Silt	Clay	L.L.	P.I.	W.C.
33+85-9' Lt.	Bit. Pvt.	0.0-0.4									
(Back)		0.4-0.9	A-2-4	77	6	3	8	6	33	8	
33+60-9' Rt.	Bit. Pvt.	0.0-0.3									
(Ahead)	Slag & Soil	0.3-0.6									
		0.6-8.0	A-6a	49	7	4	21	19	32	11	13
34+40-9' Lt.	Berm Material	0.0-0.4									
(Ahead)		0.4-1.0	A-4a	8	9	18	37	28	25	10	16

\*Shale at 0.9'  
 \*Shale at 1.0'